

<b>Project Number:</b>	<b>Shop/Operation:</b>
<b>Project Title:</b> Purchase an Enclosed Spray Gun Wash Unit	
<b>Current Practice and Baseline:</b>	
<p><b>New Process:</b> Facilities should purchase and install a spray gun washer stations at any of their shops that work with painting. Automatic paint gun washers are similar to dishwashing machines, except that the thinners and solvents in the automatic washers are not heated in the process. The washers can be used to clean conventional air spray, HVLP, electrostatic, airless, or air-assisted paint guns. Solvents used in the automatic paint gun washer are recycled and reused in the cleaning process. The paint gun to be cleaned is attached to a nozzle within the automatic paint gun washer, and the machine is sealed. Most automatic paint gun washers can wash two to three paint guns at a time. The exterior of the paint gun is cleaned with atomized paint thinner using a dishwasher action. The interior of the paint gun is cleaned by circulating solvent through the nozzle attachment. Automatic paint gun washers collect used solvent in a reservoir, where impurities are filtered out. The filtered solvent is then ready for reuse instead of disposal as a hazardous waste. The solvent impurities form a sludge which is collected and disposed. The typical solvent capacity of the spray gun washer is 3 gallons; it must be changed out every 3 to 8 weeks, depending on use.</p> <p>Although the system recycles the cleaning medium, it may still produce a hazardous waste (depending on the cleaning solvent used). If possible, the solvent used in the spray gun washer station should not contain EPA 17 chemicals such as MEK or toluene. Several environmentally friendly solvents are identified in the <i>Vendor Information</i> section below.</p>	
<p><b>Benefits:</b> The advantages of a spray gun washer station include:</p> <ul style="list-style-type: none"> <li>• VOC emissions are reduced as much as 75-90 percent compared to a solvent sink.</li> <li>• Consumption of cleaning solvents is reduced 50 to 75 percent.</li> <li>• The washing cycle (labor cost) decreases to 30-60 seconds versus 5-20 minutes for manual cleaning.</li> <li>• By using a shorter cleaning cycle and a hood, less solvent is lost through evaporation, therefore less solvent is used.</li> <li>• The spray guns are cleaned more effectively with the gun washer.</li> <li>• Worker exposure to toxic substances is decreased.</li> </ul>	
<b>Potential Mission Impacts/TM Requirements:</b> None expected	
<b>P2 Goal:</b> HW	

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<b>Annual Cost Of Current Practice:</b> Materials:  Labor:  Waste:  * Labor rate includes wages, fringe benefits, and overhead costs such as electricity, heat, and building maintenance.  TOTAL:	<b>Capital Project Costs:</b>  Materials:        TOTAL:	<b>Annual Project Costs:</b>  Materials:  Labor:  Waste:     TOTAL:
<b>Expected Annual Savings:</b>		<b>Payback:</b>
<b>Vendor Information/Implementation Assistance:</b>  <u>Automatic Paint Gun Washers</u> 1. Herkules Equipment Corp., 2760 Ridgeway Ct., Walled Lake, MI 48390-1662; (800) 444-4351; (313) 960-7109. <ul style="list-style-type: none"> <li>Model O505 (MINI-GW/R-2-T - one gun, one cup paint gun washer/recycler for use with water-based cleaning solutions or standard lacquer thinner solvents): \$799**</li> </ul> 1. Graco, Inc., P.O. Box 1441, Minneapolis, MN 55440-1441; (612) 623-6709 POC: William Foy, Government Sales <ul style="list-style-type: none"> <li>Model 112-635 (PRO Wash Gun Washer, standard model - handles solvent-based and water-based coatings): \$951.93 (incl. shipping)</li> </ul> * Model used for price estimate.		

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<b>Vendor Information/Implementation Assistance (continued):</b>					
<u>Environmentally Friendly Paint Gun Washer Solvents</u>					
1. Ecolink, Inc., 1481 Rock Mountain Blvd., Stone Mountain, GA 30083, (800) 886-8240 POC: Donald Beck, Government Sales Manager <ul style="list-style-type: none"> <li>Safe-Strip (paint and coatings solvent): prices depend on quantity purchased</li> <li>- NSN 6850-01-386-8430 Part # 0387-55 (55 gal. drum): \$29.95-\$30.95/gal.</li> <li>- NSN 6850-01-386-8424 Part # 0387-06 (6 gal. pail): \$34.95-\$35.95/gal.</li> <li>- NSN 6850-01-386-8428 Part # 0387-01 (4 1-gal. pails): \$36.95-\$37.95/gal.</li> </ul>					
1. Brulin Corp., P.O. Box 270, Indianapolis, IN 46206, (800) 776-7149 ext. 3300 POC: Rick Brochurst, Product Manager <ul style="list-style-type: none"> <li>Safety-Strip</li> </ul>					
1. Envirobest Corp., 11610 Iberia Place, Suite 204, San Diego, CA 92128, (619) 748-8500 POC: John Forbes <ul style="list-style-type: none"> <li>PR-40 Classic (lead-based paint remover): \$32-33/gal.</li> <li>PR-40 AC (aircraft paint remover)</li> <li>LAX (paint gun cleaner - concentrated): \$15-16/gal.</li> </ul>					
<b>Total Score:</b>	<b>Goals:</b>	<b>Env Impact:</b>	<b>Compliance:</b>	<b>Tech Feas:</b>	<b>Cost:</b>
<b>Recommended Action Plan:</b>					
<b>Activity</b>				<b>OPR</b>	<b>Completion Date</b>
1. Contact vendor for specific information on systems.					
2. Identify solvent and compatible model suitable to needs.					
3. Procure machine.					
4. Install machine.					
5. Train staff on new procedures.					